

## SEQUENCE LISTING

<110> Noteborn, Mathieu  
 Danen-van Oorschot, Astrid  
 Rohn, Jennifer

<120> APOPTIN-ASSOCIATING PROTEIN

<130> 2906-4820US

<140> To be assigned

<141> 2001-03-27

<160> 46

<170> PatentIn version 3.0

<210> 1

<211> 981

<212> DNA

<213> vector pMT2SM-AAP-5

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 120

atgtgcttgg acatagggaa tggtcagaga aaagacagaa aaaagacatc ccttggtcct  
 180

ggaggcagct atcaaatatc agagcatgct ccagaggcat cccagcctgc tgagaacatc  
 240

tctaaggacc tctacataga agtatatcca gggacctatt ctgtcactgt gggctcaaatt  
 300

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 360

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540

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600

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660

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720

gggtttcacc atgttggcca ggatgggtctc gatctcttga cctcgtgac caccacctt  
780

ggcctcccaa agtgttggga ttacaggcgt gagccaccgc gcccggcctc agtgcctttt  
840

ttaacttgag ggtgtagagg tcctccacgc ttgtttgcct gaaagtaata taatgatgct  
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981

<210> 2

<211> 126

<212> PRT

<213> vector pMT2SM-AAP-5

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His Glu Gly Pro Met Ala Glu Phe Met Asp Tyr Thr Ser Ser Gln Cys  
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Gly Lys Tyr Tyr Ser Ser Val Pro Glu Glu Gly Gly Ala Thr His Val  
20 25 30

Tyr Arg Tyr His Arg Gly Glu Ser Lys Leu His Met Cys Leu Asp Ile  
35 40 45

Gly Asn Gly Gln Arg Lys Asp Arg Lys Lys Thr Ser Leu Gly Pro Gly  
50 55 60

Gly Ser Tyr Gln Ile Ser Glu His Ala Pro Glu Ala Ser Gln Pro Ala  
65 70 75 80

Glu Asn Ile Ser Lys Asp Leu Tyr Ile Glu Val Tyr Pro Gly Thr Tyr  
                             85                            90                            95

Ser Val Thr Val Gly Ser Asn Asp Leu Thr Lys Lys Thr His Val Val  
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 <212> DNA  
 <213> pACT-specific primer

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<210> 4  
 <211> 16  
 <212> PRT  
 <213> partial AAP-5 clone peptide

<400> 4

Cys Gly Gly Ala Thr His Val Tyr Arg Tyr His Arg Gly Glu Ser Lys  
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<210> 5  
 <211> 16  
 <212> PRT  
 <213> partial AAP-5 clone peptide

<400> 5

Gly Asn Gly Gln Arg Lys Asp Arg Lys Lys Thr Ser Leu Gly Pro Cys  
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<210> 6  
 <211> 16  
 <212> PRT  
 <213> partial AAP-5 clone peptide

<400> 6

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1 5 10 15

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 <211> 28  
 <212> DNA  
 <213> AAP-5 5'primer

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<210> 8  
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<210> 9  
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 420

ggaggggcaa cccatgtcta tcgttatcac agaggcgagt cgaagctgca catgtgcttg  
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gtatgattct cttaatagct atacattaat cctgttttta gtgctgactg ggtcagcctt  
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<210> 10

<211> 210

<212> PRT

<213> open reading frame of AAP-5

<400> 10

Met Asp Asn Cys Leu Ala Ala Ala Ala Leu Asn Gly Val Asp Arg Arg  
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20 25 30

Lys Arg Arg Ala Val Asp Trp His Ala Leu Glu Arg Pro Lys Gly Cys  
35 40 45

Met Gly Val Leu Ala Arg Glu Ala Pro His Leu Glu Lys Gln Pro Ala  
50 55 60

Ala Gly Pro Gln Arg Val Leu Pro Gly Glu Arg Glu Glu Arg Pro Pro  
65 70 75 80

Thr Leu Ser Ala Ser Phe Arg Thr Met Ala Glu Phe Met Asp Tyr Thr  
85 90 95

Ser Ser Gln Cys Gly Lys Tyr Tyr Ser Ser Val Pro Glu Glu Gly Gly  
100 105 110

Ala Thr His Val Tyr Arg Tyr His Arg Gly Glu Ser Lys Leu His Met  
115 120 125

Cys Leu Asp Ile Gly Asn Gly Gln Arg Lys Asp Arg Lys Lys Thr Ser  
130 135 140

Leu Gly Pro Gly Gly Ser Tyr Gln Ile Ser Glu His Ala Pro Glu Ala  
145 150 155 160

Ser Gln Pro Ala Glu Asn Ile Ser Lys Asp Leu Tyr Ile Glu Val Tyr  
165 170 175

Pro Gly Thr Tyr Ser Val Thr Val Gly Ser Asn Asp Leu Thr Lys Lys  
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Thr His Val Val Ala Val Asp Ser Gly Gln Ser Val Asp Leu Val Phe  
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Pro Val  
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<210> 11

<211> 23

<212> DNA

<213> AAP-5 - #5F

<400> 11

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23

<210> 12

<211> 23

<212> DNA

<213> AAP-5 - #5R

<400> 12  
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<210> 13  
<211> 15  
<212> PRT  
<213> Peptides used for raising antibodies against AAP-3

<400> 13

Ile	Tyr	Gln	Arg	Ser	Gly	Glu	Arg	Pro	Val	Thr	Ala	Gly	Glu	Glu
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<210> 14  
<211> 15  
<212> PRT  
<213> Peptides used for raising antibodies against AAP-3

<400> 14

Asp	Glu	Gln	Val	Pro	Asp	Ser	Ile	Asp	Ala	Arg	Glu	Ile	Phe	Asp
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<210> 15  
<211> 15  
<212> PRT  
<213> Peptides used for raising antibodies against AAP-3

<400> 15

Arg	Ser	Ile	Asn	Asp	Pro	Glu	His	Pro	Leu	Thr	Leu	Glu	Glu	Leu
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<210> 16  
<211> 15  
<212> PRT  
<213> Peptides used for raising antibodies against AAP-3

<400> 16

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<210> 17  
<211> 15  
<212> PRT

<213> Peptides used for raising antibodies against AAP-3

<400> 17

Asp	Ser	Phe	Lys	Thr	Lys	Asp	Ser	Phe	Arg	Thr	Ala	Lys	Ser	Lys
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<210> 18

<211> 15

<212> PRT

<213> Peptides used for raising antibodies against AAP-3

<400> 18

Ile	Asp	Ile	Asp	Ile	Ser	Ser	Arg	Arg	Arg	Glu	Asp	Gln	Ser	Leu
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<210> 19

<211> 10

<212> PRT

<213> pMT2SM vector containing a Myc-tag

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<210> 20

<211> 651

<212> DNA

<213> partial sequence of vector pMT2SM-AAP-3

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120

agcatcgacg cagcgagat cttcgarctg attcgctcca tcaatgaccc ggagcatcca  
180

ctgacgctag aggagttgaa cgtagtagag caggtgcggg ttcagggttag cgaccccgag  
240

agtacagtgg ctgtggcttt cacaccaacc attccgcact gcagcatggc cacccttatt  
300



ggtctgtcca tcaaggtcaa gcttctgcgc tcccttcctc agcggttcaa gatggacgtg  
360

cacattactc cggggaccca tgcctcagag catgcagtga acaagcaact tgcagataag  
420

gagcgggtgg cagctgccct ggagaacacc cacctcttgg aggttgtgaa tcagtgcctg  
480

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540

caactcctgc caagggctgt taccgttggt ttcttggaat cactcacaaa tgagaaacta  
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<210> 21

<211> 167

<212> PRT

<213> partial sequence of vector pMT2SM-AAP-3

<400> 21

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20 25 30

Thr Ala Gly Glu Glu Asp Glu Gln Val Pro Asp Ser Ile Asp Ala Arg  
35 40 45

Glu Ile Phe Asp Leu Ile Arg Ser Ile Asn Asp Pro Glu His Pro Leu  
50 55 60

Thr Leu Glu Glu Leu Asn Val Val Glu Gln Val Arg Val Gln Val Ser  
65 70 75 80

Asp Pro Glu Ser Thr Val Ala Val Ala Phe Thr Pro Thr Ile Pro His  
85 90 95

Cys Ser Met Ala Thr Leu Ile Gly Leu Ser Ile Lys Val Lys Leu Leu  
100 105 110

Arg Ser Leu Pro Gln Arg Phe Lys Met Asp Val His Ile Thr Pro Gly

115		120		125											
Thr	His	Ala	Ser	Glu	His	Ala	Val	Asn	Lys	Gln	Leu	Ala	Asp	Lys	Glu
130						135					140				
Arg	Val	Ala	Ala	Ala	Leu	Glu	Asn	Thr	His	Leu	Leu	Glu	Val	Val	Asn
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Gln	Cys	Leu	Ser	Ala	Arg	Ser									
				165											

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660

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<210> 23  
<211> 256  
<212> PRT  
<213> AAP-4

<220>  
<221> misc\_feature  
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<400> 23

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Val Arg Thr Arg Thr Asn Leu Lys Glu Ala Ser Asp Ile Lys Leu Glu  
20 25 30

Pro Asn Thr Leu Asn Gly Tyr Lys Ser Ser Val Thr Glu Pro Cys Pro  
35 40 45

Asp Ser Gly Glu Gln Leu Gln Pro Ala Pro Val Leu Gln Glu Glu Glu  
50 55 60

Leu Ala His Glu Thr Ala Gln Lys Gly Glu Ala Lys Cys His Lys Ser  
65 70 75 80

Asp Thr Gly Met Ser Lys Lys Lys Ser Arg Gln Gly Lys Leu Val Lys  
85 90 95

Gln Phe Ala Lys Ile Glu Glu Ser Thr Pro Val His Asp Ser Pro Gly  
100 105 110

Lys Asp Asp Ala Val Pro Asp Leu Met Gly Pro His Ser Asp Gln Gly  
115 120 125

Glu His Ser Gly Thr Val Gly Val Pro Val Ser Tyr Thr Asp Cys Ala  
130 135 140

Pro Ser Pro Val Gly Cys Ser Val Val Thr Ser Asp Ser Phe Lys Thr  
145 150 155 160

Lys Asp Ser Phe Arg Thr Ala Lys Lys Xaa Lys Glu Glu Ala Asn His  
165 170 175

Lys Val Xaa Cys Thr Val Asn Pro Arg Lys Xaa Leu Trp Glu Ser Gln  
180 185 190

Ile Asp Ser Ser Xaa Ala Ser Xaa Xaa Gln Gln Gln Asn Lys Trp Thr  
195 200 205

Lys Arg Met Met Gly Met Lys Leu Phe Pro Lys Leu Ser Ile Lys Phe  
210 215 220

Lys Pro Lys Thr Met Thr Thr Ile Thr Ile Ser Met Xaa Gln Ser Tyr  
225 230 235 240

Lys Gly Leu Ala Gln Asp Xaa Glu Cys Phe Thr Lys Leu Lys Arg His  
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<210> 24

<211> 10

<212> PRT

<213> Sequence homology analysis of AAP-5

<400> 24

Pro Met Ala Glu Phe Met Asp Tyr Thr Ser  
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<210> 25

<211> 10

<212> PRT

<213> Sequence homology analysis of AAP-5

<400> 25

Ser Gln Cys Gly Lys Tyr Tyr Ser Ser Val  
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<210> 26

<211> 10

<212> PRT

<213> Sequence homology analysis of AAP-5

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Pro Glu Glu Gly Gly Ala Thr His Val Tyr  
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<210> 27

<211> 5

<212> PRT

<213> Sequence homology analysis of BRIP1

<400> 27

Gly Thr Ser Ser Cys  
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<210> 28

<211> 10

<212> PRT

<213> Sequence homology analysis of BRIP1

<400> 28

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<210> 29

<211> 10

<212> PRT

<213> Sequence homology analysis of AAP-5

<400> 29

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<210> 30

<211> 10

<212> PRT

<213> Sequence homology analysis of AAP-5

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Met Cys Leu Asp Ile Gly Asn Gly Gln Arg  
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<210> 31

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<213> Sequence homology analysis of AAP-5

<400> 31

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<210> 32

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<213> Sequence homology analysis of BRIP1

<400> 32

His Asn Met Ala Asn Leu Phe Ile Arg Lys  
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<210> 33

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<212> PRT

<213> Sequence homology analysis of BRIP1

<400> 33

Met Val Asn Pro Leu Leu Tyr Leu Ser Arg  
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<210> 34

<211> 10

<212> PRT

<213> Sequence homology analysis of BRIP1

<400> 34

His Thr Val Lys Pro Arg Ala Leu Ser Thr  
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<210> 35

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<213> Sequence homology analysis of AAP-5

<400> 35

Gly Gly Ser Tyr Gln Ile Ser Glu His Ala  
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<210> 36

<211> 10

<212> PRT  
 <213> Sequence homology analysis of AAP-5

<400> 36

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<210> 37  
 <211> 10  
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 <213> Sequence homology analysis of AAP-5

<400> 37

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 <212> PRT  
 <213> Sequence homology analysis of BRIP1

<400> 38

Phe Leu Phe Gly Ser Ile Arg Ser Ala Ala  
 1 5 10

<210> 39  
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 <213> Sequence homology analysis of BRIP1

<400> 39

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 <213> Sequence homology analysis of BRIP1

<400> 40

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<210> 41  
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 <213> Sequence homology analysis of AAP-5

<400> 41

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<210> 42  
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 <213> Sequence homology analysis of AAP-5

<400> 42

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 1 5 10

<210> 43  
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 <213> Sequence homology analysis of AAP-5

<400> 43

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 1 5 10

<210> 44  
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 <212> PRT  
 <213> Sequence homology analysis of BRIP1

<400> 44

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<210> 45  
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 <212> PRT  
 <213> Sequence homology analysis of BRIP1

<400> 45

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10

&lt;210&gt; 46

&lt;211&gt; 10

&lt;212&gt; PRT

&lt;213&gt; Sequence homology analysis of BRIP1

&lt;400&gt; 46

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10